

YES'KOV, A.S., inzh.

Maximum rate for the deepening of vertical shafts. Shakht.  
stroi. 7 no. 3:13-14 Mr'63 (MIRA 17:7)

1. Krivorozhskiy filial Ukrainskogo nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii shakhchnogo stroytel'stva.

YES'KOV, A.S., inzh.

Potentials for increasing the speed of sinking shafts from the top down. Shakht. stroi. 7 no.7:16-18 J1 '63. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.

TRUMAN, M.K., tekhnik; YES'KOV, A.S., inzh.; TORGOVITSKIY, A.Iu., inzh.

Reinforcing and reconditioning the old shaft lining of the  
Komintern Mine. Shakht. stroi. 7 no.11:22-24 №69  
(MIRA 17e7)

1. Shakhtoprokhodcheskoye upravleniye No. 7. tresta Krivbas-  
shakhtoprokhodka (for Truman). 2. Krivorozhskiy filial Vse-  
soyuznogo nauchno-issledovatel'skogo instituta organizatsii  
i mekhanizatsii shakhtnogo stroytel'stva (for Torgovitskiy).

YES'KOV, A.S., inzh.

Economic efficiency of deepening shafts by several levels.  
(MIRA 1737)  
Shakht. stroi. 8 no. 5:15-16 My'64

1. Krivorozhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta organizatsii i mekhanizatsii shakktnogo stroitel'stva.

YES'KOV, G., podpolkovnik, kand. istoricheskikh nauk; PRILEPSKIY, D.,  
polkovnik, kand. istoricheskikh nauk

The world socialist system, a decisive revolutionary factor of the  
present. Komm. Vooruzh. Sil 5 no.22:34-41 N '64.

(MIRA 17:12)

YES'KOV, G.N.

Using models to make experimental studies of some problems of ventilationating the metallurgy shop of a copper works. Stor. trud. NIIST no.7:134-141 '61. (MIRA 15:1)  
(Metallurgical plants--Heating and ventilation)

YES'KOV, I.N., inzh.

Tractor and agricultural machinery manufacture in 1963. Trakt. i  
sel'khozmash. 33 no.1:1-2 Ja '63. (MIRA 16:3)  
(Agricultural machinery industry) (Tractor industry)

*YES'KOVA*  
ANDRYUSHCHENKO, Yu.S., BAGIN, Yu.I., BASHKIRTSEV, A.A., BELEN'KOV, G.Ye.  
BELINICHER, I.Sh., BUSHUYEV, N.M., VAGANOV, A.K., GASEEV, A.M.,  
*YES'KOV, K.A.*, ZGIRSKIY, Ch.I., IGNAT'YEV, M.I., KORUCHKIN, Ye.N.  
KUZ'MOV, N.T., PATSKEVICH, I.P., PICHAK, F.I., RAYTSES, V.B.,  
RUDAKOV, A.S., SAPRYKIN, V.M., SIDOROV, F.F., UMINSKIY, Ye.A.  
KHANZHIN, P.K., CHEREMOVSKIY, Yu.I., BUSHUYEV, N.M., kand.tekhn.  
nauk, red.; DUGINA, N.A., tekhn.red.

[Manual for agricultural machinery operators] Pt. 3. Stationary  
internal combustion engines, steam engines and windmills. Rural  
electrification. Mechanization of production in animal husbandry.  
Spravochnik mekhanizatora sel'skogo khoziaistva. Pt. 3. Statsionarnye  
dvigateli vnutrennego sgoraniia, lokomobili i vetrodvigateli.  
Elektrifikatsiya sel'skogo khoziaistva. Mekhanizatsiya proizvodstvennykh  
processov v zhivotnovodstve. Pod red. N.M. Bushueva. Moskva,  
Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry. 1957. 200 p.  
(MIRA 11:8)

(Agricultural machinery)

YES'KO X KA

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELEN'KOV, G.Ye.;  
BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.;  
YES'KOY, K.A.; ZGIRSKIY, Ch.I.; IGNAT'YEV, M.I.; KORUSHKIN, Ye.N.;  
KUZ'MOV, B.T.; PATSKHEVICH, I.R.; PICHAK, F.I.; RATTSES, V.B.;  
RUDAKOV, A.S.; SAPRYKIN, V.M., SIDOROV, F.F.; UMINSKIY, Ye.A.;  
KHANZHIN, P.K.; CHUMOVSKIY, Yu.I.; YERAKHTIN, D.D., kand.tekhn.nauk;  
retsenzent; MAKAROV, M.P., inzh., retsenzent; TORBUTEV, Z.B., kand.  
tekhn.nauk, retsenzent; POLKANOV, I.P., kand.tekhn.nauk, retsenzent;  
IGNAT'YEV, M.G., agronom, retsenzent; GUTMAN, I.M., inzhener, retsenzent;  
SARAFANNIKOVA, G.A., tekhn.red.; YERMAKOV, N.P., tekhn.red.

[Manual for agricultural mechanizers] Spravochnik mekhanizatora  
sel'skogo khoziaistva. Moskva, Gos.suchno-tekhn.izd-vo mashinostroit.  
lit-ry. Pt.1. [Tractors and automobiles, agricultural machinery and  
implements, and operation of machine and tractor yards] Traktory i  
avtomobili, sel'skokhoziaistvennye mashiny i orudija, ekspluatatsiya  
mashinno-traktornogo parka. Pod. red.N.M.Bushueva. 1957. 462 p.  
(MIRA 10:12)

(Machine-tractor stations)

YES'KOV, K.A., inzhener; RUDAKOV, A.S., inzhener.

Peculiarities of the melting process of copper, bronze, and cast iron electrodes. Vop.svar.proizv. no.7:41-47 '55. (MIRA 10:3)  
(Electrodes--Testing)

YES'KOV, K.A.

135-3-16/17

SUBJECT: USSR/Welding

AUTHORS: Yes'kov, K.A., Head Lecturer on welding, and Bakshi, O.A.,  
Candidate of Technical Sciences.

TITLE: The First Scientific-Industrial Conference on Vibration-Arc  
Welding. (Pervaya nauchno-proizvodstvennaya konferentsiya po  
vibrodugovoy naplavke).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, #3, pp 29-30 (USSR)

ABSTRACT: The conference was held in November 1956 by the regional  
scientific-technical section of the "Mash-prom", the Chelyabinsk  
Polytechnical Institute, and the Chelyabinsk Institute for  
Mechanization and Electrification of Agriculture.

Among the 200 participants there were representatives of 79  
technical institutions, 9 research institutes, and of a number  
of the largest industrial, transport, and construction enter-  
prises. The delegates visited a special exhibition at the  
Polytechnical Institute, and the vibro-arc installations at the  
Tractor Plant, at the Automobile Repair Plant, and at the Poly-  
technical Institute. In the course of the conference it has  
been stated that the vibro-arc process is now used in a greater

Card 1/2

135-3-16/17

**TITLE:** The First Scientific-Industrial Conference on Vibration-Arc Welding. (Pervaya nauchno-proizvodstvennaya konferentsiya po vibrodugovoy naplavke).

number of industrial plants for resurfacing various machine parts. The great advantages of the process consist in insignificant deformation of work pieces, shallow depth of thermal effect, thin coatings of high hardness without heat treatment, economy. The Likinskiy Machine Building Plant(MOSKVA) has been mentioned as practicing the method now for two years. However, the vibro-arc method has not yet found wide-spread application in industrial installations due to lack of the proper equipment and due to lacking interest of the responsible authorities.

It is planned to create in CHELYABINSK a special laboratory for research on the vibro-arc welding method and to develop new devices.

**ASSOCIATION:** CHELYABINSK Polytechnical Institute

**PRESENTED BY:**

**SUBMITTED:**

**AVAILABLE:** At the Library of Congress.

Card 2/2

SOV/137-59-3-5981

Welding in the German Democratic Republic

centralized and is concentrated at two specialized plants. The consistently high quality of W observed is attributable to the employment of high-quality electrodes, rational W conditions, and high qualifications of the welding operators. The GDR is lagging behind the USSR with regard to the employment of mechanical devices, as well as with regard to automatic and semiautomatic submerged-arc W operations. Coated-electrode slag W is just beginning to gain acceptance; the vibrating-electrode method of hard-facing has as yet found no application. Some experience has been accumulated in the field of automatic W in a CO<sub>2</sub> medium. All types of resistance W are employed; methods for flame treating of metal utilizing city gas instead of C<sub>2</sub>H<sub>2</sub> are used extensively. A great deal of attention is given to scientific research work carried out at the Central Scientific Research Institute at Halle. Considerable effort is directed toward training and improving the qualifications of welders. The technology of manufacturing housings for hydraulic presses (up to 2000 tons) with the aid of manual W at the "Pel's" plant is described together with the manufacture of shears for cutting of sheets and plates (up to 1600 tons).

B. V.

Card 2/2

GALAKTIONOV, Andrey Timofeyevich; YES'KOV, K.A., dotsent, red.; DUGINA,  
N.A., tekhn.red.

[Equipment for gas welding and cutting] Obrudovanie dlja gazovoi  
svarki i rezki. Moskva, Gos.sauchno-tekhn.izd-vo mashinostroit.  
lit-ry, 1959. 35 p. (Nauchno-populiarnaja biblioteka rabochego-  
svarshchika, no.7). (MIRA 13:5)  
(Gas welding and cutting)

KRUTIKHOVSKIY, Vadim Getrovich; NIKONOV, Igor' Petrovich; ZAKHAROV,  
B.P., retsentent; YES'KOV, K.A., dotsent, red.; DUGINA,  
N.A., tekhn.red.

[Inspection of welded joints] Konrol' svarnykh soedinenii.  
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959.  
54 p. (Nauchno-populiarnaya biblioteka rabochego-svarshchika,  
no.25) (MILIA 1):2)

(Welding--Testing)

RUDAKOV, Aleksandr Semenovich; GALAKTIONOV, A.T., kand.tekhn.nauk,  
retsenzent; YES'KOV, K.A., dotsent, red.; DUGINA, N.A.,  
tekhn.red.

[Resistance welding] Kontaktnaia svarka. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1959. 61 p. (Nauchno-popu-  
liarnaia biblioteka rabochego-svarshchika, no.13).

(MIRA 13:5)

(Electric welding)

Yes! Kou, K.A.

25(1) MASK 1 BOOK INFORMATION 507/280

Gulyabinsk. Politekhnicheskiy Institut  
Voprosy avtomaticheskogo proizvodstva (Problems in Welding) Moscow, Meangiz,  
1959. 92 p. (Series: 16) Sbornik, No. 16). 6,000 copies  
printed.

Reviewers: P.I. Boytov, Engineer; A.G. Mensenkamp, I.I. Vianlik, N.A.  
Klymov, N.A. Karpova, N.I. Andrianov, V.M. Solov'yov, L.Ye. Ovanesyan  
and N.M. Yerov. Docent. Ed. (Title page): E.A. Yeskova. Docent;  
Ed. (Inside book): A.G. Korlov; Tech. Ed.: N.A. Dusina. Kurs. Ed.;  
(Ural-Dobrinsk Division, Maibdit); A.V. Kulemina, Engineer.  
PURPOSE: This collection of articles is intended for engineers, tech-  
nicians and scientific workers.

COMMENT: This is a compilation of articles written by scientific workers  
of the Department of Welding Processes and Equipment of the  
Chelyabinsk Polytechnical Institute. The articles deal with little  
developed or entirely new problems of practice and theory of weld-  
ing.... The articles cover welding deformation, welding of strips  
made of resistance alloys, resistance welding of cast iron to steel,  
bronze welding, and some problems of vibronarcotic arc automatic  
surfacing by welding, and the method of testing for weldability of  
thin sheet carbon steel, etc. No personalities are mentioned. Re-  
ferences follow each article.

Reviewer: E.A. Docent. The Problem of the Weldability of Bronzes to  
Steel during present the results of his experimental investiga-  
tion of electric arc welding of various types of bronzes using  
coated copper electrodes.

Bartina, V.I., Engineer. Investigating the transfer of Basic  
Element Oxides from Coating Into the Slag and the Gas Phase  
The author carried out experiments to determine the condi-  
tions of transfer of alkalioxides into slag and gas phase in  
order to make possible the calculation of ionization of arc  
gases of the corresponding arc temperature and the cathode  
voltage drop during welding.

AVAILABLE: Library of Congress

Card 4/4

GO/26  
10-8-59

KOBZEV, Isay Fedorovich; MASLOV, Yu.A., inzh., retsenzent; YES'KOV,  
K.A., dotsent, red.; DENISOV, Yu.A., inzh., red.; MARCHENKOV,  
I.A., tekhn.red.

[Gas-arc welding] Gazoelektricheskaya svarka. Pod red. K.A.  
Es'kova. Moskva, Gos.sauchno-tekhn.izd-vo mashinostroit.lit-ry,  
1960. 47 p. (Nauchno-populiarnaia biblioteka rabochego-svarshchika,  
no.15).  
(Electric welding) (Protective atmospheres)

KLYKOV, Nikolay Alekseyevich; NIKONOV, I.P., kand.tekhn.nauk, retsenzent;  
YES'KOV, K.A., dotsent, red.; DENISOV, Yu.A., inzh., red.;  
MARCHENKOV, I.A., tekhn.red.

[Assembling and welding work] Sborochno-svarochnye raboty. Pod  
red.K.A.Es'kova. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.  
lit-ry, 1960. 48 p. (Nauchno-populiarnaja biblioteka rabochego-  
svarshchika, no.24).  
(Electric welding)

GALAKTIONOV, A.T.; DENISOV, Yu.A.; KOPYTOV, G.T.; MASLOV, Yu.A.; NIKONOV, I.P.; PETUNIN, I.V.; KOCHAVA, G.N.; KUZNETSOV, A.P.; LELEKO, N.M.; RAZIKOV, M.I.; SPESHKOV, V.V.; STEPANOV, B.V., STEPANOV, V.V.; kand. tekhn. nauk; SHELOMOV, B.Ye.; YUNYSHEV, G.P.; YES'KOV, K.A., dots., retsenzent; BAKSHI, O.A., dots., retsenzent; BEREZKIN, P.N., dots., retsenzent; PATSKEVICH, I.R., dots., retsenzent; RUDAKOV, A.S., dots., retsenzent; FIZHBEYN, N.B., inzh., retsenzent; KHRUSTALEV, L.Ya., inzh., retsenzent; KRUTIKHOVSKIY, V.G., inzh., red. BOBROV, Ye.I., kand. tekhn. nauk, red. DUGINA, N.A., tekhn. red.

[Welding handbook] Spravochnik rabochego-svarshchika. Pod red. V.V. Stepanova. Moskva, gos. nauchno-tehnicheskoye mashinostroit. lit-ry, 1960. 640 p. (MIRA 14:6)

(Welding)

YES'KOV, K.A.; CHAYKA, O.V.

In the Coordinating Council on Welding. Avtom.svar. 15 no.4:94-95  
Ap '62. (MIRA 15:3)  
(Welding--Congresses)

YES'KOV, K.A., inzh.

Coordinating Council on Built-Up Welding with a Weaving Arc. Svar.  
proizv. no.3:44 Mr '62. (XIIA 15:2)  
(Electric welding--Congresses)

6/125/02/050/004/013/013  
D040/D113

AUTHOR: Yes'kov, K.A.

TITLE: At the Coordination Council for Welding

PERIODICAL: Avtomaticheskaya svarka, no. 4, 1962, 94-95

TEXT: A thematic coordination conference on vibro-arc surfacing was convened on October 18-19, 1961 in Chelyabinsk by the Coordination Council and the Chelyabinskii politekhnicheskii institut (Chelyabinsk Polytechnic Institute). The following is a list of speakers and subjects dealt with: I.R.Patskevich, Candidate of Technical Sciences, Docent of the Chelyabinsk Polytechnic Institute, - the results and further development of vibro-arc surfacing; N.A. Prokhorov, Engineer, of the Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina (Moscow Institute of the Petrochemical and Gas Industry im. I.M.Gubkin), - aspects of research into vibro-arc welding applied to oil drilling equipment; A.K. Okorokov, Engineer, of the Chelyabinsk Polytechnic Institute, -

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3/125/62/000/004/013/013  
DO43/2115

At the Coordination Council for Welding

different methods of restoring parts, and the best application of vibro-arc surfacing; I.Ye. Kuris, Engineer, of the Voronezhskiy lesotekhnicheskiy institut (Voronezh Forestry-Engineering Institute), - vibro-arc resurfacing of automobile and tractor parts; S.Ye.Velikiy, Engineer, - research conducted by SMITmash on pulse-arc surfacing and the introduction of this method in industry and agriculture; V.A. Nalivkin, of the Saratovskiy politekhnicheskiy institut (Saratov Polytechnic Institute), - research on and the practical application of automatic electro-vibration surfacing. Reports on research on vibro-arc, electric-pulse and other methods of resurfacing parts were delivered by N.I.Dotsenko, Candidate of Technical Sciences, of NIAT, B.V. Volkov, Engineer, of the Tashkentskiy institut inzhenerov zheleznodorozhnogo transporta (Tashkent Institute of Railroad Transportation Engineers, I.Ye. Ul'man, Candidate of Technical Sciences, N.N.Gershberg, Yu.Ye. Dragan and B.A.Smirnov, Engineers of the Chelyabinskii institut mehanizatsii i elektrifikatsii sel'skogo khozyaystva (Chelyabinsk Institute of Rural Mechanization and Electrification), G.P. Klikovkin, Engineer, of

Card 2/4

3/125/62/000/004/013/013  
B340/3113

At the Coordination Council for Welding

NIPTIAMash, A.A. Spiridonov, Candidate of Technical Sciences, of the Ural'skiy politekhnicheskiy institut (Ural Polytechnic Institute), A.M. Popkov and G.D. Kulikov, Engineers, of the Chelyabinsk Polytechnic Institute, N.S. Demidovich, Engineer, of the Dnepropetrovskiy gornyy institut (Dnepropetrovsk Mining Institute), T.V. Gorbatyuk, Engineer, of the Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Marine Engineers), V.S. Ibragimov, Engineer, of the Sol'skikhosyaystvennaya akademiya im. K.A. Timiryazeva (Agricultural Academy im. K.A. Timiryazev), and others. The Conference approved the basic trends of research on vibro-arc surfacing, the peculiarities of physical, physicochemical and heat processes in different surfacing methods, the submerged-arc process, shielding gases and steam, the development of new vibro-arc machines and parts with nonferrous metals, technology of vibro-arc surfacing with alternating current, etc. It was recommended to organize the production and supply of complete vibro-arc equipment sets, include a course of vibro-arc

Card 3/4

At the Coordination Council for Welding

S/125/62/CCC/004/013/013  
DC40/3113

surfacing in the programs of higher education institutions, to prepare a scientific and technical movie, and to organize courses for operators.

Abstracter's note: Essentially complete translation.

Card 4/4

BEREZKIN, P.N., red.; ABARINOV, A.A., prof., retsenzent; YES'KOV,  
K.A., dots., retsenzent; FILIMONOV, A.N., inzh.,  
retsenzent

[Mechanization and automation in welding; practices of Ural  
plants] Mekhanizatsiya i avtomatizatsiya svarochnogo proiz-  
vodstva; opyt ural'skikh zavodov. Moskva, Mashinostroenie,  
1965. 155 p. (MIRA 18:6)

1. Sektsiya svarki Chelyabinskogo nauchno-tehnicheskogo  
obshchestva mashino-stroitel'noy promyshlennosti (for Yes'kov).

KODENTSOV, A.Ya.; GUBANOV, M.S.; YES'KOV, L.I.; KRACHEN'TSEV, V.I.;  
KHATCHENOK, G.K.

Working part of the grab on a noncontinuous loader. Gor. zhur  
no.4:75 Ap '63. (MIRA 16:4)  
(Loading and unloading—Technological innovations)

YES'KOV, L.N., inzh.

New potentialities for increasing the traffic capacity of railroads.  
Zhel. dor. transp. 41 no.10:8-11 O '59. (MIHA 13:2)

1.Zamestitel' nachal'nika Yugo-Vostochnoy dorogi.  
(Railroads--Traffic)

YES'KOV, P., Engr-Lt Col

Author of article, "Technical Servicing of Vehicles." Vozenny Vestnik, Moscow,  
No 9, Sep 54

SO: SUM 291, 2 Dec 1954

YES'KOV, P. A.

37437. BUTARIN, N. S., YES'KOV, P. A. i DZHIMBEYEV, L. TS. Sravnitel'naya produktivnost' ovets Apkharomerinos i drugikh tonkorunnnykh porod. Izvestiya Akad. Nauk. Kazakh. SSR, No. 71, seriya biol., Vyp. 5, 1949, s. 53-64--Bibliogr: 8 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

YES'KOV, P. A.

YES'KOV, P.A. -- "Some Results of the Experiment on Inter-species Hybridization of Hogs." Cand Biol Sci, Inst of Experimental Biology, Acad Sci Kazakh SSR, 3 Jan 54. (Kazakistanskaya Pravda, 13 Jan 54)

SO: SUM: 168, 22 July 1954

YES'KOV, P. A.

USSR/Agriculture - Stock breeding

Card 1/1 : Pub. 123 - 12/17

Authors : Butarin, N. S.; Yes'kov, P. A.; Miletksiy, D. M.; and Bagrovskaya, N.  
N.

Title : Increasing the productivity of sows of large white-stock by means of  
double mating with different boars.

Periodical : Vest. AN Kaz. SSR 11/1, 105-109, Jan 1954

Abstract : An account is given of controlled experimentation with the crossing  
of sows with a single boar and with several boars, with comparative  
figures of the number of offspring and individual weights at various  
periods. Eleven Russian references (1940-1953). Table.

Institution : ...

Submitted : ...

YES'KOV, P.A.

USSR/Agriculture - Stock raising

Card 1/1 t Pub. 123 - 7/13

Authors : Butarin, N. S.; Yes'kov; Miletchiy, D. M.; and Bagrovskaya, N. N.

Title : Experiments in fattening medium-type hybrids from wild boars and domestic sows on a non-concentrated type of feed

Periodical : Vest. AN Kaz. SSR, 11/2, 61-66, Feb 1954

Abstract : The belief in the use of concentrated feed in fattening hogs is held to be erroneous and extensive data are collected from experimentation with different kinds of hybrids and different kinds of feed. An analysis of these data shows that even more pork is produced with the less concentrated feed at a great saving of outlay. Ten Russian references (1943-1951). Tables.

Institution : ....

Submitted : ....

YES'KOV, P.A.

BUTARIN, N.S.; YES'KOV, P.A.; MILETSKIY, D.M.; LI, V.A.

Some results of experiments in feeding modified lard-making rations  
to hybrid swine. Vest. AN Kazakh. SSR 13 no.3:95-99 Mr '57.  
(Swine--Feeding and feeding stuffs) (MLRA 10:6)

YES'KOV, P.A.; I.I., V.A.

Genealogical structure and productive quality of the Kazakh hybrid  
strain swine. Trudy Inst. eksp. biol. Akad. Kazakh. SSR 11:10-24 '65.

Inheritance of fertility in the interspecific hybridization of  
swine. Ibid. 133-36 (MIRA 18:10)

YES'KOV, P.A.; LI, V.A.; KALDYBAYEV, S.U.

Fattening and slaughtering qualities of the new Kazakh hybrid strain  
swine fattened for pork. Trudy Inst. eksp. biol. AN Kazakh. SSR 11:25-  
32 '65. (MIRA 18:10)

YES'KOV, P.A.

Inheritance of the number of teats in the interspecific hybridization  
of wild with domestic swine. Trudy Inst. ekspl. biol. AN Kazakh. SSR  
11:37-46 '65.

Inheritance and variability of the duration of the pregnancy period  
in the interspecific hybridization of wild with domestic swine.  
*Ibid.* 147-52. (MIRA 18-10)

LI, V-A.; YES'KOV, P-A.; DOLGIKH, M.N.; KALDYBAIEV, S.U.

Use of the semen of wild bears in the artificial insemination of  
domestic brood cows of desirable breeding types. Trudy Inst. eksp.  
biol. AN Kazakh. SSR 11:53-56 '65.

(MIRA 18:10)

YNE'KIN, V.I., Gladkoye nauchnoy sotrudnik

Hygienic evaluation of the amount of dust in the air and a study  
of dust control in the coal mines of the Kuznetsk Basin. Boriba  
(ViRA 168.)  
pp. 1. 6x5x0 '64.

1. Novosibirskiy nauchno-tekhnicheskoy sanitarnyy institut.

S/137/62/000/003/039/191

A006/A101

Combined methods of processing complex...

is 68 - 81% at 36 - 42% content in the concentrate. Cu extraction is 79 - 87% at 20 - 29% content. Sn remains almost fully in the flotation tails.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

YES'KOV, S.K., inzhener; UFFESHEV, F.K., inzhener.

Modernization of light-weight sheep's-foot tamper. Mekh.stroi. 10 no.9:10-11  
S '53. (MILIA 6:8)  
(Road rollers)

YES'KOV, S.K., inzhener; UTESHEV, F.Kh., inzhener.

Mobile asphalt concrete mixer D-288. Stroi. i dor.mashinostr. 1  
no.3:12-14 Mr '56. (MLRA 10:1)  
(Mixing machinery)

YES! FOV, S.K., inzh.; UTESHEV, F.Kh., inzh.

Improving the design of pneumatic tired rollers. Stroi. i dor.  
mashinostr. 3 no.9:29 S '58. (MIRA 11:10)  
(Rollers (Earthwork))

YES'KOV,S.K.; UTESHEV, F.Kh.: RYADNIENKO, V.I.

Spur-gear bitumen-dosing pumps. Stroi.i dor.mashinostr. 3 no.12:10-11  
D '58. (MIRA 11:12)  
(Pumping machinery)

BOGOMOLOV, S.P., inzh.; GAREUZOV, Z.Ye., inzh.; YES'KOV, S.K., inzh.  
The D-390 tamping rollers. Stroi. i dor.mashinostr. 4 no.6:  
21-22 Je '59. (MIRA 12:8)  
(Rollers (Earthwork))

YES'kov, V.

AID P - 4884

Subject : USSR/Aeronautics - Model building  
Card 1/1 Pub. 58 - 4/14  
Author : Yes'kov, V., Head, Laboratory of the Young Technicians' Central Model-Building Station.  
Title : How to avoid twisting of the wings  
Periodical : Kryl. rod., 7, 7, Jl 1956  
Abstract : The author advises adding complementary ribs to the wings of aircraft models in order to prevent twisting of the wings because of the changes in the temperature of the air. Some practical suggestions are made. 2 designs.  
Institution : None  
Submitted : No date

YES'KOV, V.

85-10-29/35

AUTHOR: Yes'kov, V., Chief of the Laboratory of Aviation  
Technology of the Central Station of Young Technicians  
im. N.M. Shvernik (Laboratoriya aviatsionnoy tekhniki  
Tsentral'noy stantsii yunykh tekhnikov imeni  
N.M. Shvernika)

TITLE: For the Mass School Aircraft Modelmaking (Za massovoy  
shkol'nyy aviamodelizm)

PERIODICAL: Kryl'ya Rodiny, 1957, Nr 10, p. 30 (USSR)

ABSTRACT: The author of this article informs about the increased  
interest of teen-age student in the aircraft modelmaking.  
He stresses the important role of the members of the  
departments of public education, of the Komsomol and  
DOSAAF organizations in the preparation of the experienced  
public instructors in this sport. He tells, for example,  
about the Sverdlovskaya oblast' where active members of  
DOSAAF, of the technical stations, and of the houses of  
the pioneers organized 370 circles of aircraft model-  
makers in schools. Their work was well demonstrated during  
the competitions of the school aircraft modelmakers of

Card 1/2

85-10-29/35

For the Mass School Aircraft Modelmaking

the RSFSR, which took place in the city of Kirov, where 123 participants presented 202 models in free flying. Among these models, which were of high quality, 167 models received excellent and good ratings. These competitions showed the increased constructive skill of the school aircraft modelmakers. This was especially noticeable during the appearances of the crews of the Moskva oblast', of the city of Moskva, and of the Kirovskaya oblast'. These crews won the first, the second and the third places in this competition for the leadership in the RSFSR. This article is concluded by the author reproaching the aviation sport department of the Central Committee of DOSAAF for its lack of interest in the development of aircraft modelmaking among the teen-age students. Two photos.

AVAILABLE: Library of Congress.

Card 2/2

YES'KOV, V.

"V-1" rubber-propelled model. IUn.tekh. 4 no.8:79-80 Ag '60.  
(MIRA 13:9)

1. Zaveduyuschiy aviamodel'noy laboratoriyyey TSentral'noy stantsii  
yunykh tekhnikov.  
(Airplanes--Models)

YES'KOV, V.

Model of a single-stage rocket. Kryl.rod. 13 no.4:27-29  
Ap '62. (MIRA 15:5)

1. Zaveduyushchiy aviatsionnoy laboratoriyye TSentral'noy  
stantsii yunykh tekhnikov RSFSR.  
(Rockets (Aeronautics)--Models)

YES'KOV, V.

Miniature rockets. Kryl. rod. 15 no.5:16, insert A My '64.  
(MIRA 17:8)

1. Zaveduyushchiy aviatsionnoy laboratoriyy Tsentral'noy  
stantsii yunykh tekhnikov RSFSR.

YES'KOV, V.

Great holiday of airplane model builders. Kryl. rodi. 15 no.2:  
11 F '64. (MIRA 18:7)

1. Zaveduyushchiy aviatsionnoy laboratoriyej TSentral'noy  
stantsii yunykh tekhnikov RSFSR.

YES'KOV, V.

The young generation of sportsmen is growing. Kryl. rod. 15 no.11:29  
(MIRA 18:3)  
N '64.

1. Zaveduyushchiy avialaboratoriye TSentral'noy stantsii yunykh  
tekhnikov RSFSR.

SKLOKIN, N.P., MARAPOV, I.P., LAPTEV, A.N., REPULINA, V.V.  
RODIONOV, I.P.

Study and the analysis of the activity and information exchange of anti-  
fascist operations. (Borisov, G.M., Mironov, V.P., Orlow, V.L.)

MALYSHEVA, Z. C., and Ye. M. YRS'KOV

"Measurement of Small Angular Velocity Oscillations of an Engine Shaft"  
p. 133  
Problems of Theory of Mechanisms and Machines, 1958, 141 pp. (Sbornik, Moscow  
Vyssheye Tekhnicheskoye uchilishche, )

MALYSHEVA, Z.S.; YES'KOV, Ye.M.

Measuring minor variations of the angular velocity of machine shafts.  
[Trudy] MFTU no.77:133-142 '58. (MIRA 11:9)  
(Shafting) (Electronic measurements)

AKOPYAN, V.M., dotsent, kand.tekhn.nauk; YES'KOV, Ye.M., inzh.

Five-channel electronic strain gauge unit. Izv.vys.ucheb.zav.;  
mashinostr. no.7:55-59 '59. (MIRA 13:6)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.  
(Strain gauges)

YES'KOVA M.A.

M-4

USSR/Cultivated Plants - Fodders.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29843

Author : Men'shikova, N.I., Al'fer, I.I., Yevseyenko, A.V.,  
Yes'kova, M.A.

Inst : Gomel' State Pedagogical Institute.

Title : Alfalfa as a Source of Boosting the Food Base for Animal  
Raising in the Belorussian SSR.

Orig Pub : Uch. zap. Gomel'sk. gos. ped. in-t, 1957, vyp. 5, 138-145

Abstract : It has been established at the Experimental Training Plot  
of the Gomel' Institute and at the Kolkhoz im. Lenin in  
Gomel'skaya Oblast' that the optimal alfalfa sowing time  
is the period from 5 to 20 June. The side-dressing of al-  
falfa with B in a concentration of 0.025% in the period  
of 50% flowering increased the seed output by 37.3% and  
that of green stuff by 75.9%, during which the number of

Card 1/2

YES'KOVA, N., red.; KASHIRIN, A.G., tekhn. red.

[Checking of radio measuring devices; instructions] Poverka  
radioizmeritel'nykh priborov; sbornik instruktsii. Izd. ofi-  
tsial'noe. Moskva, Standartgiz, 1962. 355 p. (MIRA 16:2)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'-  
nykh priborov.  
(Radio measurements)

YES'KOVA, N.A., red.; MATVEYEVA, A.Ye., tekhn. red.

[Checking instruments for measuring pressure]. Poverka priborov dlia izmerenija davlenija; sbornik instruktsii. Izd. ofitsial'noye. Moskva, Standartgiz, 1963. 374 p.

(MIRA 16:7)

1. Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. (Pressure gauges)

YES 'KOVA, N.A., red.

[Instruction 106-56 for checking universal measuring microscopes; official edition] Instruktsiia 106-56 po poverke universal'nykh izmeritel'nykh mikroskopov; izd. ofitsial'noe. Moskva, Standartgiz, 1963. 99 p.  
(MIRA 17:5)

1. Russia (1923- U.S.S.R.) Komitet sandartov, mer i izmeritel'nykh priborov.

YES'KOVA, Yu. I.

USSR/Minerals - Rare elements

Card 1/1 Pub. 22 - 45/56

Authors : Es'kova, E. M., and Kazakova, M. E.

Title : The new mineral - Shcherbakovit

Periodical : Dok. AN SSSR 99/5, 837-840, Dec 11, 1954

Abstract : Mineralogical data regarding the discovery of a new mineral (titanium and niobium silicate), with a 12.2% K<sub>2</sub>O and 6.22% BaO content, are presented. This new mineral found in a pectolite-natrolite pegmatite vein was named after the famous Russian mineralogist-geochemist academician D.I. Shcherbakov-shcherbakovit. The physico-chemical and optical properties of this mineral are listed. Tables; diagram; illustration.

Institution: Academy of Sciences USSR, Laboratory of Mineralogy and Geochemistry of Rare elements

Presented by: Academician D. I. Shcherbakov, April 21, 1954

YESKOVA, YE. M.

20-3-36/46

AUTHOR: Yes'kova, Ye. M.

TITLE: Genthelvite from Alkaline Pegmatites (Gentgel'vin iz shchelochnykh pegmatitov).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 481-483 (USSR)

ABSTRACT: The author found the said mineral in the alkaline massif of Lovozero in 1948. As is well-known, it belongs to the Helvit ("gel'vin")  $Mn_8(BeSiO_4)_6\cdot S_2$ -group and is relatively rare. Together with Danalite  $Fe_8(BeSiO_4)_6\cdot S_2$  it forms an isomorphous series with the first mentioned mineral. The rare occurrences which were previously found in North-America, are enumerated. The occurrence of Genthelvite in alkaline pegmatites of the USSR was signalized for the first time. It forms depositions of irregular shape up to 1 x 0,5 cm (usually smaller ones), in the Lovozero massif. No crystals were found. It has a colorless to bluish-green and emerald-green shade. Its specific weight is: 3.55. In cuts, Genthelvite looks like xenomorphic, mostly colorless, and in more rare cases, yellowish-green grains. It is isotropic and shows a high relief. The index of refraction is 1.742

Card 1/3

Genthelvite from Alkaline Pegmatites

20-3-3646

(emerald-green form), if colorless, it is somewhat higher. This mineral is dissolved in acids by precipitating H<sub>2</sub>S. Colloidal silica is precipitated from the solution by evaporation. Chemical analysis of an emerald-green species and of an American Genthelvite are quoted together with a theoretical condensation. The chemical analysis which was found does not quite exactly agree with the formula. There is, to some extent, a deficiency in SiO<sub>2</sub> and BeO, whereas zinc, manganese and iron are somewhat abundant. There was no material available for a repetition and precise determination of the analysis. Genthelvite from Lovozero contains more manganese oxide (10,21 %) and less silicon - and beryllium oxide than the mineral from Colorado. Mg., Al, Co, Sn and Ti were spectroscopically traced. The two minerals from the two places of discovery are only insignificantly different with respect to optics and physics, viz. because of a deviation in the chemical composition. Genthelvite occurs in feldspar pegmatite in the roof of the nephelite-syenite-intrusion on mount Flora. Genthelvite occurs where the pegmatite smelting solution penetrates the xenolites of the augite-porphyr es through crevices, by partly assimilating

Card 2/3

Genthelvite from Alkaline Pegmatites

20-3-36/46

the augite-porphyr es. In this way the melt is enriched by chemical elements from the lateral rocks ("bokovyye porody"): Iron, magenese, magnesium, calcium, a.o. This takes place in the pegmatites of the "crossing line". Instead of the characteristic minerals of the pegmatities of pure line, there are formed: Circonium, manganese (mineral, but not element: the reporter), ilmenite and apatite. Instead of ordinary simple beryllium silicates which lack iron completely, Genthelvite is formed. There are 1 figure, 1 table, and 3 non-Slavic references.

ASSOCIATION: Institute of Mineralogy, Geochemistry and Crystallochemistry of Rare Elements of AN USSR (Institut mineralogii, geokhimii i kristallokhimii redkikh elementov Akademii nauk SSSR)

PRESENTED: April 19, 1957, by A. G. Betekhtin, academician

SUBMITTED: March 14, 1957

AVAILABLE: Library of Congress

Card 3/3

VLASOV, Kuz'ma Alekseyevich; KUZ'MENKO, Mariya Vasil'yevna; YES'KOVA,  
Yevdokiya Mikhaylovna; GERASIMOVSKIY, V.I., doktor geologo-  
mineralogicheskikh nauk, otd.red.; GODOVIKOVA, L.A., red.izd-va;  
MAKUMI, Ye.V., tekhn.red.; KASHINA, P.S., tekhn.red.

[Lovozero alkali massif; rocks, pegmatites, mineralogy, geo-  
chemistry, and genesis] Lovozereskii shchelochnoi massiv; porody,  
pegmatity, mineralogiia, geokhimiia i genetika. Moskva, Izd-vo  
Akad.nauk SSSR, 1959. 623 p. (MIRA 12:12)  
(Lovozero Tundra--Rocks, Igneous)

3(6)

AUTHOR:

Yes'kova, Ye. M.

SOV/7-59-2-6/14

TITLE:

On the Geochemistry of Nb and Ta in the Nepheline Syenite Massifs of Vishnevyye gory (K geokhimii Nb i Ta v massivakh nefelinovykh siyenitov Vishnevyykh gor)

PERIODICAL: Geokhimiya, 1959, Nr 2, pp 130-139 (USSR)

ABSTRACT:

In Vishnevyye gory nepheline syenites occur in three massifs (geological map p 131). All chemical determinations of niobium and tantalum were carried out by N. I. Nazarenko, A. A. Manukhova and Z. N. Burova in the chemical laboratory of the Institut mineralogii, geokhimii i kristallokhimii redkikh elementov AN SSSR (Institute for the Mineralogy, Geochemistry and Crystalliochemistry of Rare Elements AS USSR). The results are evaluated in tables: Content of Nb and Ta of the individual rocks (Table 1), content in the miaskites of the three massifs (Table 2), content in the individual minerals (Table 3), distribution of Nb and Ta in the miaskites (Table 4) and in the aegirine-augite syenites (Table 5). - In general, the nepheline syenites of Vishnevyye gory have a comparatively high Nb and Ta content; thus, the miaskites contain an average of 0.025% Nb and 0.0021% Ta. These values decrease toward

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SOV/7-59-2-6/14

On the Geochemistry of Nb and Ta in the Nepheline Syenite Massifs of  
Vishnevyye gory

biotite and aegirine-augite syenites. The Nb/Ta ratio varies between 10.6 and 11.8. Increased contents are found at the strongly albitized contacts between miaskites and aegirine-augite syenites. About 40 - 50% of Nb and Ta are bound to the titaniferous minerals biotite, ilmenite and sphene. A particular niobium mineral, pyrochlore, occurs in the last formation stages of miaskites and biotite syenites. This may be explained by an early crystallization of titanium and the limited possibility of replacing Ti by Nb and Ta. The latter elements are thus enriched both absolutely and relatively to Ti. Zirconium has no significant effect on their geochemical behavior. There are 1 figure, 5 tables, and 7 references, 5 of which are Soviet.

ASSOCIATION: Institut mineralogii, geokhimii i kristallokhimii redkikh elementov AN SSSR, Moskva (Institute for the Mineralogy, Geochemistry and Crystalliochemistry of Rare Elements AS USSR, Moscow)

SUBMITTED: October 3, 1958

Card 2/2

YES'KOV, Ye. M.

31

PHASE I DOCK EXPLOITATION

B07/5740

Akademiya nauk SSSR. Institut mineralogii, geohimii i kristallogimii redkih  
elementov

Voprosy mineralogii, geohimii i genetika mestorozhdeniy redkih elementov  
(Problems in Mineralogy, Geochemistry, and Deposit Formation of Rare Elements)  
Moscow, Izd-vo AN SSSR, 1960. 253 p. (Series: Itc: Trudy, vyp. 4) Errata  
printed on the inside of back cover. 2,200 copies printed.

Chief Ed.: K. A. Vlascov, Corresponding Member, Academy of Sciences USSR;  
Resp. Ed.: V. V. Lyakhovich; Ed. of Publishing House: L. S. Tarasov;  
Tech. Ed.: P. S. Kashina.

PURPOSE: This book is intended for geologists, mineralogists, and petrographers.

COVERAGE: This is a collection of 23 articles on the formation, geochemistry,  
mineralogy, petrography, and geochemistry of deposits of rare elements in  
Siberia and [Soviet] Central Asia. The distribution and characteristics of  
rare elements found in these areas as well as some quantitative and qualitative  
methods of investigating the rocks and minerals in which they are found,

Card 1/6

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837/5740

## Problems in Mineralogy (Cont.)

or with which they are associated, are discussed. The articles present an economic investigation of the possibilities of industrial extraction and utilization of selenium, tellurium, and hafnium. No personalities are mentioned. Each article is accompanied by references.

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31

## Problems in Mineralogy (Cont.)

SC7/5740

## MINERALOGY AND PETROGRAPHY

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Zhabin, A. G., G. N. Makhitdinov, and N. Yo. Kazakova. Paragenetic Associations of Accessory Minerals of Rare Elements in Exocontact Fenitized Mica-schist Intrusive Rocks of the Vishnevyye Mountains 51

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Card 3/6

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31

Problems in Mineralogy (Cont.)

807/5740

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Card 5/6

31

Problems in Mineralogy (Cont.)

SOT/3740

Loginova, L. A. Experiment in Measuring the Optical Constants of Germanite and Renierite

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ECONOMICS OF RARE ELEMENTS

Loksin, V. N. Prospects in the Industrial Extraction of Selenium and Tellurium From the Products of Copper-Molybdenum Ore Processing 205

Kaganovich, S. Ya. Hafnium (Economic Survey) 206

AVAILABLE: Library of Congress

Card 6/6

JN/Cam/has  
11-14-61

YES'KOVA, Ye.M.

Mineral group "lomonosovit"- murmanite. Trudy Inst.min., geokhim.  
kristalokhim.red.elem. no.2:110-123 '59. (MIRA 15:4)  
(Lovozero tundras--Minerals)

YES KOVA, Ye.M.

Rare-earth apatite in alkali rocks of the Lovozero massif. Trudy  
Inst. min., geol.khim. i kristallokhim. red. elem. no. 3:69-73  
'59. (MIRA 14:5)  
(Lovozero tundras—Apatite)

MAKAROCHKIN, B.A.; YES'KOVA, Ye.M.; GONIBESOVA, K.A.

Yttrium aeschynite from the Il'men Mountains. Trudy Inst. min.,  
geokhim. i kristallokhim. red. elem. no. 3:145-150 '59.  
(MIRA 14:5)

(Il'men Mountains—Aeschynite) (Yttrium)

YES'KOVA, Ye.M.; MUKHITDINOV, G.N.; KHALEZOVA, Ye.B.

Characteristics of the chemical and mineralogical composition of alkali rocks in the Vishnevyye Mountains. Trudy Inst. min., geokhim. i kristalloghim. red. elem. no. 3:127-144 '59. (MIRA 14:5)  
(Vishnevyye Mountains--Rocks, Igneous--Analysis)

YESKOVA, Ye. M.

"Chief features of the geochemistry of niobium and tantalum  
in nephelyne syenites of the USSR"

Paper submitted at the International Geological Congress XXI Session -  
1960 (Reports of Soviet Geologists) Problem No. 1, 15-24 Aug. 61

MAKAROCHKIN, B.A.; YES'KOVA, Ye.M.; ALEKSANDROV, V.B.

A new rare earth variety of fersmite. Dokl. AN SSSR 148 no.1:  
179-182 Ja '63. (MTRA 16:2)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh  
elementov AN SSSR. Predstavлено академиком D.S. Korzhinskим.  
(Il'men Mountains—Fersmite)

YES'KOVA, Ye.M.; MINEYEV, D.A.; MINEYEVA, I.G.

Uranium and thorium in alkali rocks of the Urals. Geokhimiia  
no.9:770-777 '62. (MIRA 15:11)

1. Institute of Mineralogy, Geochemistry and Crystal  
Chemistry of Rare Elements, Academy of Sciences, U.S.S.R.,  
Moscow.  
(Ural Mountains--Uranium) (Ural Mountains--Thorium)

VLASOV, K.A., glav. red.; SERDYUCHENKO, D.P., doktor geol.-min.  
nau, red.; YES'KOVA, Ye.M., kand. geol.-miner. nauk, red.;  
BORODIN, L.S., kand. geol.-miner. nauk, red.

[Geochemistry, mineralogy, and genetic types of rare element  
deposits] Geokhimia, mineralogija i geneticheskie tipy me-  
storozhdenii redkikh elementov. Moskva, Izd-vo "Nauka."  
Vol.1. [Geochemistry of rare elements] Geokhimia redkikh  
elementov. 1964. 685 p. (MIRA 17:5)

1. Institut mineralogii, geokhimii i kristallokhimii redkikh  
elementov. 2. Chlen-korrespondent AN SSSR (for Vlasov).

YESIKOVA, Yevdokiya Mikhaylovna; ZHABIN, Arkadiy Grigor'yovich;  
KURKHITDINOV, German Iacukhovich

[Mineralogy and geochemistry of rare elements in the  
Vishnevyye Mountains] Mineralogija i geokhimiia redkikh  
elementov Vishnevyykh gora. Moskva, Izd-vo "Nauka," 1964.  
318 p. (MIRA 17:10)

YES'KOVA, Ye.M.; GANZEYEV, A.A.

Rare-earth elements in the accessory minerals of the Viskhevyye Mountains. Geokhimiia no.12:1267-1279 D '64.

(MIRA 18:8)

1. Institut mineralogii, geokhimii i kristallogimii redkikh elementov, Moskva.

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YESMAN

see also ESMAN

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✓Apparatus for determination of the rheological properties  
of clay suspensions. B. I. Ef'mov. Del'sdy Akad. Nauk  
Azerbaidzhan. S.S.R. "9", 307-71 (1959); Referat, Zhur.  
Khim. 1954, No. 43503.—The construction of an app. for  
determining viscosity of clay suspensions and other liquids is  
described. M. Heschi

YES'MAN, B. I., (Engr)

"Hydraulic Losses in the String of Drill Pipes." Cand Tech Sci, Petroleum Inst, Acad  
Sci Azerbaydzh SSR, 19 Feb 54. Dissertation (Bakinskiy Rabochiy Baku, 11 Feb 54)

SO: SUM 186, 19 Aug 1954

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YES'MAN, Iosif Gavrilovich; YES'MAN, Bogdan Iosifovich; YES'MAN,

Vyacheslav Iosifovich; ANTIKHANOV, KH.I., redaktor; GONCHAROV,  
I.A., redaktor.

[Hydraulics and hydraulic machinery] Gidravlika i gidravlicheskie  
mashiny. Baku, Azerbaijzhanskoe gos. izd-vo neftianoi i nauchno-  
tekhn.lit-ry, 1955. 478 p.  
(Hydraulics) (MLRA 8:11)

SOV/124-57-9-10298

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 9, p 57 (USSR)

AUTHOR: Yes'man, B. I.

TITLE: Hydraulic Losses in the Circulatory System of a Well Being Drilled  
(Gidravlichеские потери в циркуляционной системе буровых скважин)

PERIODICAL: Izv. AN AzerbSSR, 1956, Nr 11, pp 21-35

ABSTRACT: In the process of drilling oil or gas wells mud solutions are pumped through different units of the well-drilling circulatory system. Hydraulic losses encountered during the process consist of losses in the drilling pipes, the annular space between the pipe and the well and other losses (in the surface equipment, extension pipes, drilling bits, tool joints, etc.). The author studies the means of determining such losses and recommends specific formulas for their estimation. For the hydraulic-loss determination in the annular space and in the pipes proper the author recommends the use of the Darcy-Weisbach formula with the insertion of the corresponding hydraulic-radius values. However, on the basis of test results obtained with the experimental installation it was found necessary to introduce an experimentally obtained

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correction coefficient into the hydraulic-radius formula. For determining the hydraulic losses in drilling sockets, bits, valves, swivels, etc. the author advises the use of the Borda formula with a similar introduction of a correction coefficient. The value of this coefficient depends upon the geometric size of the different components of the system as well as on the properties and quantities of the liquids pumped. Bibliography: 17 references.

V. I. Gotovtsev

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